

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer	:			
Product line	: Jet Pump - C type Three-Phase	Product code : 14813761		
Frame	: 56C	Cooling method : IC01 - ODP		
Insulation class	: F	Mounting : F-1		
Duty cycle	: Cont.(S1)	Rotation ¹ : CCW		
Ambient temperature	: -20°C to +40°C	Starting method : Direct On Line		
Altitude	: 1000 m.a.s.l.	Approx. weight ³ : 16.5 kg		
Design	: A	Moment of inertia (J) : 0.0049 kgm ²		
Output [HP]		2		
Poles		2		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		1.94		
L. R. Amperes [A]		17.2		
LRC [A]		8.9x(Code K)		
No load current [A]		0.734		
Rated speed [RPM]		3510		
Slip [%]		2.50		
Rated torque [kgfm]		0.414		
Locked rotor torque [%]		220		
Breakdown torque [%]		330		
Service factor		1.20		
Temperature rise		80 K		
Locked rotor time		25s (cold) 14s (hot)		
Noise level ²		62.0 dB(A)		
Efficiency (%)	25%			
	50%	84.0		
	75%	85.5		
	100%	85.5		
Power Factor	25%			
	50%	0.77		
	75%	0.86		
	100%	0.91		
Bearing type	: <u>Drive end</u> 6203 2RS <u>Non drive end</u> 6202 2RS	Foundation loads		
Sealing	: Without Bearing Seal Without Bearing Seal	Max. traction : 35 kgf		
Lubrication interval	: - -	Max. compression : 52 kgf		
Lubricant amount	: - -			
Lubricant type	: Mobil Polyrex EM			
Notes				
<p>This revision replaces and cancel the previous one, which must be eliminated.</p> <p>(1) Looking the motor from the shaft end.</p> <p>(2) Measured at 1m and with tolerance of +3dB(A).</p> <p>(3) Approximate weight subject to changes after manufacturing process.</p> <p>(4) At 100% of full load.</p>		<p>These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.</p>		
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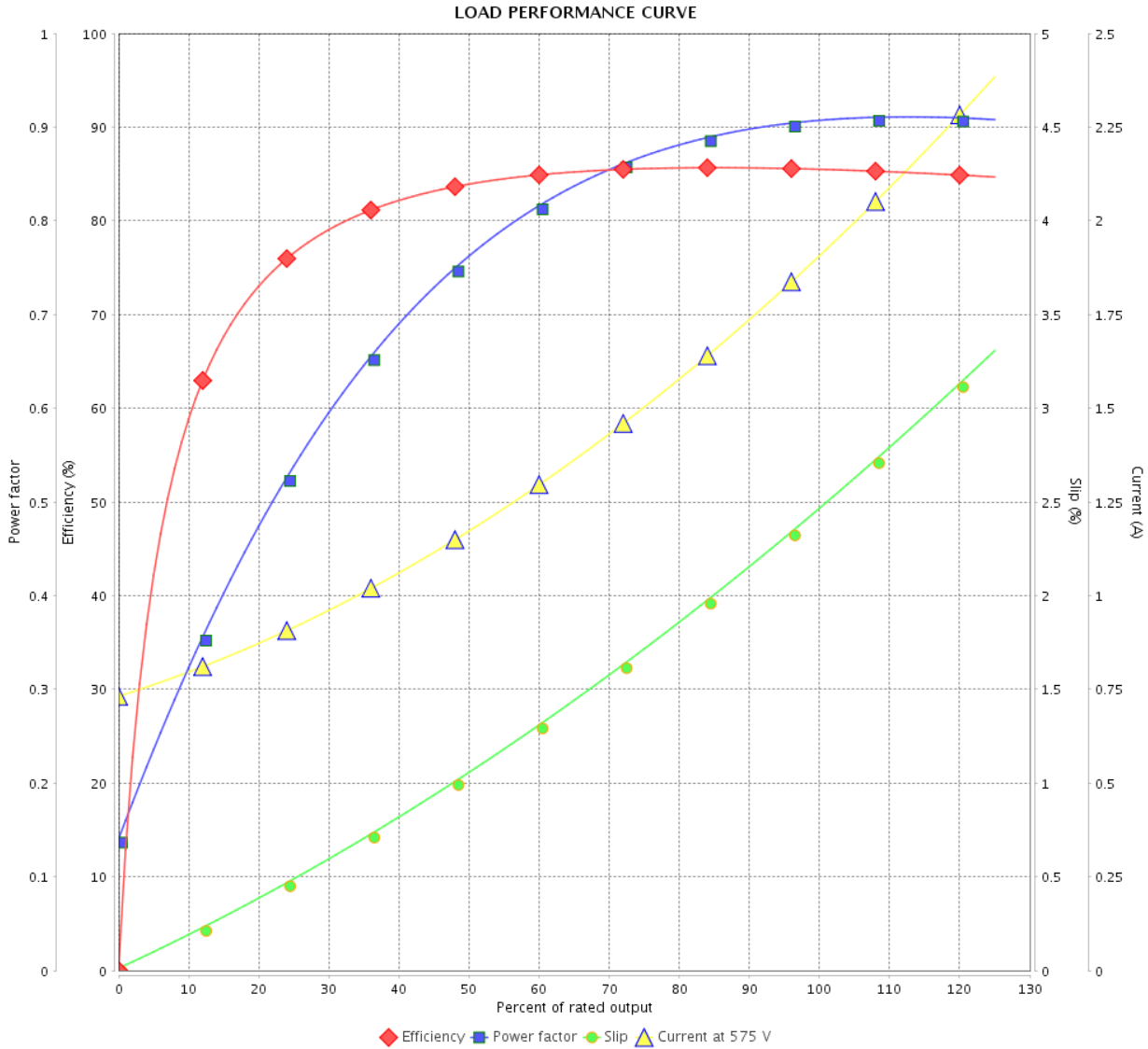
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Jet Pump - C type Three-Phase Product code : 14813761



Performance : 575 V 60 Hz 2P

Rated current	: 1.94 A	Moment of inertia (J)	: 0.0049 kgm ²
LRC	: 8.9	Duty cycle	: Cont.(S1)
Rated torque	: 0.414 kgfm	Insulation class	: F
Locked rotor torque	: 220 %	Service factor	: 1.20
Breakdown torque	: 330 %	Temperature rise	: 80 K
Rated speed	: 3510 rpm	Design	: A

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